Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of Culverts in Different locations at Mallasandra area in Ward no. 13, in SSD

Est .Cost Rs. 16.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2013-14	Cum							
	Approach Roads		2	90.00	0.45	0.45	36.45		
	Cross		2	110.00	0.45	0.45	44.55		
	Cross		2	120.00	0.45	0.45	48.60		
	Cross		2	80.00	0.45	0.45	32.40		
							162.00	124.02	**20091**
	Basic Rate	117.00							
	Area Weightage @ 6%	7.02							
		124.02							
2	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2013-14								
	For Culvert		8	6.50	2.00	1.20	124.80		
			6	5.00	2.00	1.20	72.00		
							196.80	148.93	**29309**
	Basic Rate	140.50							
	Area Weightage @ 6%	8.43							
		148.93							
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, using 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregate @ 0.465cum machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2, Page No. 12/ Item No. 4.2/ PWD SR 2013-14								
	For Culverts	cum	8	6.50	1.80	0.15	14.04		
			6	5.00	1.80	0.15	8.10		
							22.14	4413.84	**97722**
	Basic Rate	4164.00							
	Area Weightage @ 6%	249.84							
	Total	**4413.84**							

4	KSR 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2013-14	Cum							
	For Culverts		16	6.50	0.60	0.90	56.16		
			12	5.00	0.60	0.90	32.40		
	Damaged Culverts		10	5.00	0.60	0.60	18.00		
							106.56	5208.84	**555054**
	Basic Rate	4914.00							
	Area Weightage @ 6%	294.84							
	Total	**5208.84**							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20 mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase lintels retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1.4.6. Page No. 13/								
	For Culvert Covering	Cum	14	6.00	1.80	0.23	34.78	B	
	For Culvert Coping		26	5.00	0.60	0.10	7.80		
	For approach		26	6.00	0.60	0.15	14.04		
	Damaged Culvert Slabs		18	1.80	0.60	0.23	4.47		
	Basic Rate	5222.00					**61.09**	5535.32	**338137**
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. for TMT Bars Fe 415 Page No. 19/ Item No. 4.46.1/ PWD SR 2013-14								
		Qtls		61.09	x	80 kgs	48.87		
							48.87	7244.04	**354014**
	Basic Rate	6834.00							
	Area Weightage @ 6%	410.04							
	Total	**7244.04**							
9	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
	For Damaged slabs		140	0.60	0.90		75.60		
	Missed Slabs		50	0.60	1.20		36.00		
	Approved Rate of Precast slab	**1600.00**							
	Data rate for precast slab of 100MM thick						**111.60**	1600	**178560.00**

7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2013-14)								
	Qty Vide Item No=1+2	Cum					**358.80**		
	Qty Limited to						**358.80**	74.07	**26577**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage 6%	4.19							
	Total	**74.07**							
8	Miscellaneous and unforseen Charges								536 -
								TOTAL	1600000
(Rupees Sixteen Lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S
JC(DH) AS 242/13-14 30/10/13
16.00 Lakhs
(Rupees Sixteen Lakhs only)
Page No. 229
S. No. 242

EE/DD/T.S/181/13-14 30/12/13
16.0 lakhs
(Sixteen lakhs only)
P.No - 32
S.No - 181
30/12